

AMENDMENTS TO THE SPECIFICATION

Please replace the first paragraph [0001] on page 2 with the following amended paragraph:

[0001] This application is a Divisional of U.S. Application Serial No. 10/255,048 filed September 25, 2002, which is a Divisional of U.S. Application Serial No. 09/615,501, filed July 13, 2000, now U.S. Patent No. 6,476,609, issued November 5, 2002, which is a Continuation-in-part of U.S. Application Serial No. 09/238,832 filed January 28, 1999, now U.S. Patent No. 6,163,155, issued December 19, 2000.

Please replace the Abstract on page 71 with the following amended Abstract:

~~This invention is directed to a downhole~~ A method and apparatus for use within a borehole for simultaneously determining the horizontal resistivity, vertical resistivity, and relative dip angle for anisotropic earth formations. ~~The present invention accomplishes this objective by using an~~ An antenna configuration in which a transmitter antenna and a receiver antenna are oriented in non-parallel planes such that the vertical resistivity and the relative dip angle are decoupled. Preferably, either the transmitter or the receiver is mounted in a conventional orientation in a first plane that is normal to the tool axis, and the other antenna is mounted in a second plane that is not parallel to the first plane. ~~This invention also relates to~~ Also included are a method and apparatus for steering a downhole tool during a drilling operation in order to maintain the borehole within a desired earth formation. The steering capability is enabled by computing the difference or the ratio of the phase-based or amplitude-based responses of the receiver antennas which are mounted in planes that are not parallel to the planes of the transmitter antennas. ~~Although this invention is primarily intended for MWD or LWD applications, this invention is also applicable to wireline and possibly other applications.~~